

Craig E Manning

List of Publications by Year in descending order

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129
papers

12,160
citations

22153

59
h-index

26613

107
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155
all docs

155
docs citations

155
times ranked

7002
citing authors

#	ARTICLE	IF	CITATIONS
1	The chemistry of subduction-zone fluids. <i>Earth and Planetary Science Letters</i> , 2004, 223, 1-16.	4.4	682
2	Permeability of the continental crust: Implications of geothermal data and metamorphic systems. <i>Reviews of Geophysics</i> , 1999, 37, 127-150.	23.0	553
3	Reevaluating carbon fluxes in subduction zones, what goes down, mostly comes up. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3997-4006.	7.1	492
4	The solubility of quartz in H ₂ O in the lower crust and upper mantle. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 4831-4839.	3.9	480
5	Tectonic evolution of the early Mesozoic blueschist-bearing Qiangtang metamorphic belt, central Tibet. <i>Tectonics</i> , 2003, 22, n/a-n/a.	2.8	351
6	Blueschist-bearing metamorphic core complexes in the Qiangtang block reveal deep crustal structure of northern Tibet. <i>Geology</i> , 2000, 28, 19.	4.4	306
7	Geochronologic and thermobarometric constraints on the evolution of the Main Central Thrust, central Nepal Himalaya. <i>Journal of Geophysical Research</i> , 2001, 106, 16177-16204.	3.3	281
8	Low heat flow inferred from >4â€‰Gyr zircons suggests Hadean plate boundary interactions. <i>Nature</i> , 2008, 456, 493-496.	27.8	259
9	The global range of subduction zone thermal structures from exhumed blueschists and eclogites: Rocks are hotter than models. <i>Earth and Planetary Science Letters</i> , 2015, 428, 243-254.	4.4	258
10	Subducting carbon. <i>Nature</i> , 2019, 574, 343-352.	27.8	250
11	Quartz solubility in H ₂ O-NaCl and H ₂ O-CO ₂ solutions at deep crust-upper mantle pressures and temperatures: 2â€‰15 kbar and 500â€‰900Â°C. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 2993-3005.	3.9	236
12	Tectonic evolution of the northeastern Pamir: Constraints from the northern portion of the Cenozoic Kongur Shan extensional system, western China. <i>Bulletin of the Geological Society of America</i> , 2004, 116, 953.	3.3	219
13	Geological implications of a permeability-depth curve for the continental crust. <i>Geology</i> , 1999, 27, 1107.	4.4	213
14	Emerging geothermometers for estimating slab surface temperatures. <i>Nature Geoscience</i> , 2009, 2, 611-615.	12.9	195
15	Cenozoic evolution of the eastern Pamir: Implications for strain-accommodation mechanisms at the western end of the Himalayan-Tibetan orogen. <i>Bulletin of the Geological Society of America</i> , 2007, 119, 882-896.	3.3	187
16	Late Paleozoic tectonic history of the Ertix Fault in the Chinese Altai and its implications for the development of the Central Asian Orogenic System. <i>Bulletin of the Geological Society of America</i> , 2007, 119, 944-960.	3.3	186
17	Structural evolution of the Gurla Mandhata detachment system, southwest Tibet: Implications for the eastward extent of the Karakoram fault system. <i>Bulletin of the Geological Society of America</i> , 2002, 114, 428-447.	3.3	182
18	Records of the evolution of the Himalayan orogen from in situ Thâ€‰Pb ion microprobe dating of monazite: Eastern Nepal and western Garhwal. <i>Journal of Asian Earth Sciences</i> , 2002, 20, 459-479.	2.3	181

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19	Early Paleozoic Tectonic and Thermomechanical Evolution of Ultrahigh-Pressure (UHP) Metamorphic Rocks in the Northern Tibetan Plateau, Northwest China. <i>International Geology Review</i> , 2007, 49, 681-716.	2.1	179
20	Rutile solubility in H ₂ O, H ₂ O+SiO ₂ , and H ₂ O+NaAlSi ₃ O ₈ fluids at 0.7–2.0 GPa and 700–1000°C: Implications for mobility of nominally insoluble elements. <i>Chemical Geology</i> , 2008, 255, 283-293.	3.3	176
21	Permeability of the continental crust: dynamic variations inferred from seismicity and metamorphism. <i>Geofluids</i> , 2010, 10, 193-205.	0.7	176
22	Title is missing!. , 2011, 7, 1013.		176
23	High-temperature equilibrium isotope fractionation of non-traditional stable isotopes: Experiments, theory, and applications. <i>Chemical Geology</i> , 2015, 395, 176-195.	3.3	163
24	The solubility of calcite in water at 6.16 kbar and 500–800°C. <i>Contributions To Mineralogy and Petrology</i> , 2003, 146, 275-285.	3.1	152
25	Equilibrium high-temperature Fe isotope fractionation between fayalite and magnetite: An experimental calibration. <i>Earth and Planetary Science Letters</i> , 2008, 268, 330-338.	4.4	145
26	Spinel–olivine magnesium isotope thermometry in the mantle and implications for the Mg isotopic composition of Earth. <i>Earth and Planetary Science Letters</i> , 2009, 288, 524-533.	4.4	142
27	Constraints on Hadean geodynamics from mineral inclusions in ⁴ Ga zircons. <i>Earth and Planetary Science Letters</i> , 2010, 298, 367-376.	4.4	141
28	Significant late Neogene east-west extension in northern Tibet. <i>Geology</i> , 1999, 27, 787.	4.4	137
29	Experimental determination of calcite solubility in H ₂ O-NaCl solutions at deep crust/upper mantle pressures and temperatures: Implications for metasomatic processes in shear zones. <i>American Mineralogist</i> , 2002, 87, 1401-1409.	1.9	128
30	Ultralow viscosity of carbonate melts at high pressures. <i>Nature Communications</i> , 2014, 5, 5091.	12.8	124
31	Global variations in H ₂ O/Ce: 1. Slab surface temperatures beneath volcanic arcs. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	122
32	Solubility of CePO ₄ monazite and YPO ₄ xenotime in H ₂ O and H ₂ O+NaCl at 800°C and 1 GPa: Implications for REE and Y transport during high-grade metamorphism. <i>Chemical Geology</i> , 2011, 282, 58-66.	3.3	118
33	The Chemistry of Carbon in Aqueous Fluids at Crustal and Upper-Mantle Conditions: Experimental and Theoretical Constraints. <i>Reviews in Mineralogy and Geochemistry</i> , 2013, 75, 109-148.	4.8	115
34	Very low solubility of rutile in H ₂ O at high pressure and temperature, and its implications for Ti mobility in subduction zones. <i>American Mineralogist</i> , 2005, 90, 502-505.	1.9	113
35	Rutile solubility in albite-H ₂ O and Na ₂ Si ₃ O ₇ -H ₂ O at high temperatures and pressures by in-situ synchrotron radiation micro-XRF. <i>Earth and Planetary Science Letters</i> , 2008, 272, 730-737.	4.4	111
36	Zircon solubility and zirconium complexation in H ₂ O+Na ₂ O+SiO ₂ +Al ₂ O ₃ fluids at high pressure and temperature. <i>Earth and Planetary Science Letters</i> , 2012, 349-350, 15-25.	4.4	108

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37	Formation of methane on Mars by fluid-rock interaction in the crust. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	107
38	Thermodynamics of SiO ₂ -H ₂ O fluid near the upper critical end point from quartz solubility measurements at 10 kbar. <i>Earth and Planetary Science Letters</i> , 2008, 274, 241-249.	4.4	97
39	Fluids of the Lower Crust: Deep Is Different. <i>Annual Review of Earth and Planetary Sciences</i> , 2018, 46, 67-97.	11.0	96
40	Solubility of enstatite + forsterite in H ₂ O at deep crust/upper mantle conditions: 4 to 15 kbar and 700 to 900°C. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 4165-4176.	3.9	95
41	Implications for metal and volatile cycles from the pH of subduction zone fluids. <i>Nature</i> , 2016, 539, 420-424.	27.8	93
42	Rapid high-temperature metamorphism of East Pacific Rise gabbros from Hess Deep. <i>Earth and Planetary Science Letters</i> , 1996, 144, 123-132.	4.4	88
43	Brine-assisted anatexis: Experimental melting in the system haplogranite-H ₂ O-NaCl-KCl at deep-crustal conditions. <i>Earth and Planetary Science Letters</i> , 2013, 374, 111-120.	4.4	87
44	Geology, Age and Origin of Supracrustal Rocks at Akilia, West Greenland. <i>Numerische Mathematik</i> , 2006, 306, 303-366.	1.4	81
45	Solubility of corundum+kyanite in H ₂ O at 700°C and 10 kbar: evidence for Al-Si complexing at high pressure and temperature. <i>Geofluids</i> , 2007, 7, 258-269.	0.7	77
46	Metamorphic evolution, mineral chemistry and thermobarometry of orthogneiss hosting ultrahigh-pressure eclogites in the North Qaidam metamorphic belt, Western China. <i>Journal of Asian Earth Sciences</i> , 2009, 35, 273-284.	2.3	77
47	Fluorapatite solubility in H ₂ O and H ₂ O-NaCl at 700 to 900°C and 0.7 to 2.0 GPa. <i>Chemical Geology</i> , 2008, 251, 112-119.	3.3	76
48	Brines at high pressure and temperature: Thermodynamic, petrologic and geochemical effects. <i>Precambrian Research</i> , 2014, 253, 6-16.	2.7	76
49	Solubilities of corundum, wollastonite and quartz in H ₂ O-NaCl solutions at 800°C and 10 kbar: Interaction of simple minerals with brines at high pressure and temperature. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 5571-5582.	3.9	74
50	Tectonic development of the southern Chinese Altai Range as determined by structural geology, thermobarometry, ⁴⁰ Ar/ ³⁹ Ar thermochronology, and Th/Pb ion-microprobe monazite geochronology. <i>Bulletin of the Geological Society of America</i> , 2009, 121, 1381-1393.	3.3	74
51	Rutile solubility in supercritical NaAlSi ₃ O ₈ -H ₂ O fluids. <i>Chemical Geology</i> , 2011, 284, 74-81.	3.3	74
52	Premelting polymerization of crustal and mantle fluids, as indicated by the solubility of albite+paragonite+quartz in H ₂ O at 1 GPa and 350-620°C. <i>Earth and Planetary Science Letters</i> , 2010, 292, 325-336.	4.4	73
53	Dehydration melting and the relationship between granites and granulites. <i>Precambrian Research</i> , 2014, 253, 26-37.	2.7	72
54	Activity coefficient and polymerization of aqueous silica at 800°C, 12 kbar, from solubility measurements on SiO ₂ -buffering mineral assemblages. <i>Contributions To Mineralogy and Petrology</i> , 2003, 146, 135-143.	3.1	71

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55	Experimental determination of CePO_4 and YPO_4 solubilities in H_2O at 800°C and 1 GPa: implications for rare earth element transport in high- ϵ metamorphic fluids. <i>Geofluids</i> , 2013, 13, 372-380.	0.7	69
56	The solubility of corundum in H_2O at high pressure and temperature and its implications for Al mobility in the deep crust and upper mantle. <i>Chemical Geology</i> , 2007, 240, 54-60.	3.3	68
57	The solubility of rocks in metamorphic fluids: A model for rock-dominated conditions to upper mantle pressure and temperature. <i>Earth and Planetary Science Letters</i> , 2015, 430, 486-498.	4.4	68
58	A short timescale for changing oxygen fugacity in the solar nebula revealed by high-resolution ^{26}Al - ^{26}Mg dating of CAI rims. <i>Earth and Planetary Science Letters</i> , 2005, 238, 272-283.	4.4	66
59	Thermodynamic model for mineral solubility in aqueous fluids: theory, calibration and application to model fluid-flow systems. <i>Geofluids</i> , 2010, 10, 20-40.	0.7	65
60	The Substitution of Al and F in Titanite at High Pressure and Temperature: Experimental Constraints on Phase Relations and Solid Solution Properties. <i>Journal of Petrology</i> , 2002, 43, 1787-1814.	2.8	63
61	Solubility of corundum in the system Al_2O_3 - SiO_2 - H_2O - NaCl at 800°C and 10 kbar. <i>Chemical Geology</i> , 2008, 249, 250-261.	3.3	62
62	Polymerization of aqueous silica in H_2O - K_2O solutions at 25-200°C and 1 bar to 20 kbar. <i>Chemical Geology</i> , 2011, 283, 161-170.	3.3	59
63	The solubility of fluorite in H_2O and H_2O - NaCl at high pressure and temperature. <i>Chemical Geology</i> , 2007, 242, 299-306.	3.3	58
64	Thermodynamic Modeling of Fluid-Rock Interaction at Mid-Crustal to Upper-Mantle Conditions. <i>Reviews in Mineralogy and Geochemistry</i> , 2013, 76, 135-164.	4.8	57
65	Crystal chemical constraints on inter-mineral Fe isotope fractionation and implications for Fe isotope disequilibrium in San Carlos mantle xenoliths. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 154, 168-185.	3.9	57
66	Abiogenic methanogenesis during experimental komatiite serpentinization: Implications for the evolution of the early Precambrian atmosphere. <i>Chemical Geology</i> , 2012, 326-327, 102-112.	3.3	54
67	Phase-Equilibrium Controls on SiO_2 Metasomatism by Aqueous Fluid in Subduction Zones: Reaction at Constant Pressure and Temperature. <i>International Geology Review</i> , 1995, 37, 1074-1093.	2.1	53
68	Role of saline fluids in deep-crustal and upper-mantle metasomatism: insights from experimental studies. <i>Geofluids</i> , 2010, 10, 58-72.	0.7	53
69	Is Mars alive?. <i>Eos</i> , 2006, 87, 433.	0.1	50
70	A thermodynamic model for the system SiO_2 - H_2O near the upper critical end point based on quartz solubility experiments at 500-1100°C and 5-20 kbar. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 86, 196-213.	3.9	49
71	Experimental determination of equilibrium magnesium isotope fractionation between spinel, forsterite, and magnesite from 600 to 800°C. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 118, 18-32.	3.9	49
72	Diffuse fluid flux through orogenic belts: Implications for the world ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9113-9116.	7.1	48

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73	Dolomite III: A new candidate lower mantle carbonate. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	48
74	Hydrothermal clinopyroxenes of the Skaergaard intrusion. <i>Contributions To Mineralogy and Petrology</i> , 1986, 92, 437-447.	3.1	47
75	Absence of amorphous forms when ice is compressed at low temperature. <i>Nature</i> , 2019, 569, 542-545.	27.8	47
76	Fractal clustering of metamorphic veins. <i>Geology</i> , 1994, 22, 335-338.	4.4	46
77	Experimental investigation of the solubility of albite and jadeite in H ₂ O, with paragonite+quartz at 500 and 600Å°C, and 1â€“2.25GPa. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 2924-2939.	3.9	46
78	Phaseâ€œequilibrium constraints on titanite and rutile activities in mafic epidote amphibolites and geobarometry using titaniteâ€œrutile equilibria. <i>Journal of Metamorphic Geology</i> , 2009, 27, 509-521.	3.4	45
79	Experimental determination of equilibrium nickel isotope fractionation between metal and silicate from 500Å°C to 950Å°C. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 86, 276-295.	3.9	45
80	Subduction-Zone Fluids. <i>Elements</i> , 2020, 16, 395-400.	0.5	45
81	Mobilizing aluminum in crustal and mantle fluids. <i>Journal of Geochemical Exploration</i> , 2006, 89, 251-253.	3.2	41
82	Solubility of grossular, Ca ₃ Al ₂ Si ₃ O ₁₂ , in H ₂ Oâ€œNaCl solutions at 800Å°C and 10kbar, and the stability of garnet in the system CaSiO ₃ â€œAl ₂ O ₃ â€œH ₂ Oâ€œNaCl. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5191-5202.	3.9	40
83	The Behavior of Halogens During Subduction-Zone Processes. <i>Springer Geochemistry</i> , 2018, , 545-590.	0.1	39
84	Hydration state and activity of aqueous silica in H ₂ O-CO ₂ fluids at high pressure and temperature. <i>American Mineralogist</i> , 2009, 94, 1287-1290.	1.9	38
85	A piece of the deep carbon puzzle. <i>Nature Geoscience</i> , 2014, 7, 333-334.	12.9	38
86	Layering in the wall rock of Valles Marineris: intrusive and extrusive magmatism. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	34
87	Detection of liquid H ₂ O in vapor bubbles in reheated melt inclusions: Implications for magmatic fluid composition and volatile budgets of magmas?. <i>American Mineralogist</i> , 2016, 101, 1691-1695.	1.9	32
88	The current status of titaniteâ€œrutile thermobarometry in ultrahigh-pressure metamorphic rocks: The influence of titanite activity models on phase equilibrium calculations. <i>Chemical Geology</i> , 2008, 254, 123-132.	3.3	31
89	Argon, oxygen, and boron isotopic evidence documenting ⁴⁰ ArE accumulation in phengite during water-rich high-pressure subduction metasomatism of continental crust. <i>Earth and Planetary Science Letters</i> , 2016, 446, 56-67.	4.4	30
90	High-pressure compressibility and thermal expansion of aragonite. <i>American Mineralogist</i> , 2016, 101, 1651-1658.	1.9	30

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91	Experimental determination of the viscosity of Na ₂ CO ₃ melt between 1.7 and 4.6 GPa at 1200–1700 °C: Implications for the rheology of carbonatite magmas in the Earth's upper mantle. <i>Chemical Geology</i> , 2018, 501, 19-25.	3.3	29
92	Experimental determination of quartz solubility and melting in the system SiO ₂ –H ₂ O–NaCl at 15–20 kbar and 900–1100 °C: implications for silica polymerization and the formation of supercritical fluids. <i>Contributions To Mineralogy and Petrology</i> , 2015, 170, 1.	3.1	27
93	Carbon sequestration during core formation implied by complex carbon polymerization. <i>Nature Communications</i> , 2019, 10, 789.	12.8	27
94	Gibbs Free Energy of Formation of Zircon from Measurement of Solubility in H ₂ O. <i>Journal of the American Ceramic Society</i> , 2005, 88, 1854-1858.	3.8	24
95	Coupled Reaction and Flow in Subduction Zones: Silica Metasomatism in the Mantle Wedge. , 1997, , 139-148.		24
96	Experimental determination of the equilibria: rutile + magnesite = geikielite + CO ₂ and zircon + 2 magnesite = baddeleyite + forsterite + 2 CO ₂ . <i>American Mineralogist</i> , 2002, 87, 1342-1350.	1.9	22
97	Solubility of andradite, Ca ₃ Fe ₂ Si ₃ O ₁₂ , in a 10 mol% NaCl solution at 800 °C and 10 kbar: Implications for the metasomatic origin of grandite garnet in calc-silicate granulites. <i>American Mineralogist</i> , 2008, 93, 886-892.	1.9	22
98	Solubility of corundum in aqueous KOH solutions at 700 °C and 1 GPa. <i>Chemical Geology</i> , 2009, 262, 310-317.	3.3	22
99	Diopside, enstatite and forsterite solubilities in H ₂ O and H ₂ O-NaCl solutions at lower crustal and upper mantle conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 279, 119-142.	3.9	21
100	Aluminum speciation in aqueous fluids at deep crustal pressure and temperature. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 133, 128-141.	3.9	20
101	An experimental study of OH solubility in rutile at 500-900 °C, 0.5-2 GPa, and a range of oxygen fugacities. <i>American Mineralogist</i> , 2011, 96, 1291-1299.	1.9	19
102	Dissolution susceptibility of glass-like carbon versus crystalline graphite in high-pressure aqueous fluids and implications for the behavior of organic matter in subduction zones. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 383-402.	3.9	19
103	Free energy of formation of zircon based on solubility measurements at high temperature and pressure. <i>American Mineralogist</i> , 2010, 95, 52-58.	1.9	18
104	Redox effects on calcite-portlandite-fluid equilibria at forearc conditions: Carbon mobility, methanogenesis, and reduction melting of calcite. <i>American Mineralogist</i> , 2014, 99, 1604-1615.	1.9	18
105	Implications of crustal permeability for fluid movement between terrestrial fluid reservoirs. <i>Journal of Geochemical Exploration</i> , 2003, 78-79, 1-6.	3.2	17
106	The solubility of apatite in H ₂ O, KCl-H ₂ O, NaCl-H ₂ O at 800 °C and 1.0 GPa: Implications for REE mobility in high-grade saline brines. <i>Chemical Geology</i> , 2017, 470, 180-192.	3.3	17
107	Brittle Deformation of Carbonated Peridotite—Insights From Listvenites of the Samail Ophiolite (Oman Drilling Project Hole BT1B). <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020199.	3.4	17
108	Magmatic evolution of the Campi Flegrei and Procida volcanic fields, Italy, based on interpretation of data from well-constrained melt inclusions. <i>Earth-Science Reviews</i> , 2018, 185, 325-356.	9.1	16

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109	Oxygen isotope evidence for short-lived high-temperature fluid flow in the lower oceanic crust at fast-spreading ridges. <i>Earth and Planetary Science Letters</i> , 2007, 260, 524-536.	4.4	15
110	Sulfur Surprises in Deep Geological Fluids. <i>Science</i> , 2011, 331, 1018-1019.	12.6	15
111	Metamorphic replacement of mineral inclusions in detrital zircon from Jack Hills, Australia: Implications for the Hadean Earth: COMMENT. <i>Geology</i> , 2012, 40, e281-e281.	4.4	15
112	Blueschist-bearing metamorphic core complexes in the Qiangtang block reveal deep crustal structure of northern Tibet. <i>Geology</i> , 2000, 28, 19-22.	4.4	15
113	Petrology and geochemistry of the Kruuse Fjord Gabbro Complex, East Greenland. <i>Geological Magazine</i> , 1997, 134, 67-89.	1.5	14
114	The solubility of CePO ₄ monazite and YPO ₄ xenotime in KCl-H ₂ O fluids at 800 °C and 1.0 GPa: Implications for REE transport in high-grade crustal fluids. <i>American Mineralogist</i> , 2017, 102, 2457-2466.	1.9	14
115	Metasomatic Phase Relations in the System CaO-MgO-SiO ₂ -H ₂ O-NaCl at High Temperatures and Pressures. <i>International Geology Review</i> , 2000, 42, 152-162.	2.1	13
116	Carbonate melts in the hydrous upper mantle. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	3.1	13
117	Deep Sourced Fluids for Peridotite Carbonation in the Shallow Mantle Wedge of a Fossil Subduction Zone: Sr and C Isotope Profiles of OmanDP Hole BT1B. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	11
118	Listvenite Formation During Mass Transfer into the Leading Edge of the Mantle Wedge: Initial Results from Oman Drilling Project Hole BT1B. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	11
119	Effect of Sediments on Aqueous Silica Transport in Subduction Zones. <i>Geophysical Monograph Series</i> , 2013, , 277-284.	0.1	7
120	Hydrothermal Alteration of the Ocean Crust and Patterns in Mineralization With Depth as Measured by Micro-CT Imaging Infrared Spectroscopy. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021976.	3.4	7
121	Insights from X-ray absorption/fluorescence spectroscopy and ab-initio molecular dynamics on concentration and complexa-tion of Zr and Hf in aqueous fluids at high pressure and temperature. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012122.	0.4	6
122	5. The Chemistry of Carbon in Aqueous Fluids at Crustal and Upper-Mantle Conditions: Experimental and Theoretical Constraints. , 2013, , 109-148.		6
123	The Influence of Pressure on the Properties and Origins of Hydrous Silicate Liquids in Earth's Interior. , 2018, , 83-113.		6
124	Spectroscopic and X-ray diffraction investigation of the behavior of hanksite and tychite at high pressures, and a model for the compressibility of sulfate minerals. <i>American Mineralogist</i> , 2013, 98, 1543-1549.	1.9	5
125	The Viscosity and Atomic Structure of Volatile-Bearing Melilititic Melts at High Pressure and Temperature and the Transport of Deep Carbon. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 267.	2.0	5
126	Frontiers in geofluids: editorial. <i>Geofluids</i> , 2010, 10, 1-2.	0.7	4

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127	Deep water gives up another secret. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6616-6617.	7.1	2
128	Introduction to thematic issue on fluid and melt inclusions. Geofluids, 2013, 13, 395-397.	0.7	2
129	Presentation of the 2010 Roebling Medal of the Mineralogical Society of America to Robert C. Newton. American Mineralogist, 2011, 96, 948-949.	1.9	0